

For the following categories, please identify any anticipated products through September 30, 2018:

IRIS

Conductivity

PM

Ozone

Nutrients

On the next tab, select the "Edit in Browser" option, fill in the table with category, product, and anticipated delivery date.

National Research Program Abbreviations Key:

AER

CSS

SHC

SSWR

NOx
SOx
TSCA Implementation
Green Infrastructure
Hot landfills

Lead
Hydraulic Fracturing
Sustainable Materials Management
Food Waste

Climate
Endocrine Disruption
Pesticides
Chemical Life Cycle

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Air Energy Research
Chemical Safety for Sustainability
Sustainable and Healthy Communities
Safe and Sustainable Water Resources

Category	Product
Chemical Life Cycle	Advancing the Understanding of Environmental Transformations, Bioavailability and Effects of Nanomaterials; an International US Environmental Protection Agency-UK Environmental Nanoscience Initiative Joint Program
Chemical Life Cycle	A computational methodology for developing the Sustainable Chemistry Synthesis Expert Framework and Database into a module for Integration into the Alternatives Assessment Dashboard
Chemical Life Cycle	Perspectives on Design of Sustainable Materials Management (SMM) Strategies through Application
Chemical Life Cycle	Integrating the Use Phase Impacts of Building Materials into Near-Field LCA Characterization. INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT. Ecomed Verlagsgesellschaft AG, Landsberg, GERMANY,
Chemical Life Cycle	Advancing Life Cycle Inventory Generation and Sustainable Chemistry Principles for Application to Chemical Evaluation
Chemical Life Cycle	Applying Emission Estimations, Pollution Controls, and Sustainability Evaluations for Generating Environmental Release Inventories in the Evaluation of Chemical
Chemical Life Cycle	A Software Tool to Find Greener Solvent Replacements, PARIS III
Climate	Energy and greenhouse gas life cycle assessment and cost analysis of aerobic and anaerobic membrane bioreactor systems: Influence of scale, population density, climate, and methane recovery. Bioresour. Technol. 2018, 254, 56-66.
Climate	A Roadmap for Climate-Related Research to Inform Environmental Protection
Climate	A Systematic Approach for Selecting Climate Projections to Inform Regional Impact Assessment
Climate	Adaptation Design Tool for Climate-Smart Management of Coral Reefs and Other Natural Resources

Climate	Advancing the Application of Vulnerability Assessments
Climate	Application of the Sea-Level Affecting Marshes Model (SLAMM 6.7) to the Lower Delaware Bay
Climate	Assessing the Relative Vulnerabilities of Coastal Marshes to Sea Level Rise in Order to Inform Management: Delaware Bay Case Study
Climate	Assessing the Relative Vulnerabilities of Mid-Atlantic Freshwater Wetlands to Projected Hydrologic Regime Changes Associated with Climate Change: A Framework and Case Study of Seven Pennsylvania Watersheds
Climate	Broad-scale macroinvertebrate classification analysis and thermal vulnerability assessment for the eastern US
Climate	Challenges with Trait-Based Approaches in Environmental Research
Climate	Effects of Riparian Forest Management Practices on Stream Temperature Under Warming Conditions: Lookout Creek, Oregon, USA
Climate	How to Improve Your "Climate-Smart IQ" Using the Adaptation Design Tool
Climate	New land use projections for U.S. global change assessments: Urbanization, agriculture, and environmental change
Climate	Performance of Agricultural Best Management Practices Under Long-Term Changes in Weather
Climate	Potential health impacts under multiple scenarios of climate, land use and population change
Climate	Rising Sea Levels: Helping Decision-Makers Confront the Inevitable
Climate	Using a Multi-Sector, Mixed-Methods Framework to Evaluate Urban Resilience to Climate Change
climate	Synthesis of climate change and climate-mediated disturbance impacts on forested watersheds

Climate	Active/Open grants awarded under -- Extreme Event Impacts on Air Quality and Water Quality with a Changing Global Climate (2011) Project Period: June 2012-May 2015 (Extended to May 2019)
Climate	A Maieutic Assessment of Nudging Strategies for Regional Climate Applications using the WRF Model
Climate	Black carbon absorption of solar radiation: combining external and internal mixing assumptions
Climate	Changes in US regional climate and air quality at 2030 projected by downscaling a global climate model
Climate	Effects of Long Term Projected Meteorology on Atmospheric Deposition of Nitrogen in the Chesapeake and other Coastal Waters (also in Nutrients Category)
Climate	Estimating future air quality conditions, including ozone and particulate matter, in the United States for multiple environmental and emission scenarios. (ACE CIVA-1.3)
Climate	Examining Changes to Extreme Temperatures and Precipitation Across the U.S. Through 2100
Climate	Extreme climate events amplify the coevolution of geochemical and biogeochemical cycles in the Anthropocene
Climate	Extreme climate river continuum concept
Climate	Active/Open grants awarded under -- Freshwater Harmful Algal Blooms (2017) Project Period: January 2018-December 2020
Climate	Assessment of interactive effects of changes in stratospheric ozone and climate on biogeochemical cycles: Quadrennial report for 2015-2018
Climate	Environmental effects of ozone depletion, UV radiation and interactions with climate change: Update 2017, UNEP Environmental Effects Assessment Panel
Climate	Evaluating climate change effects on ecosystem services in several watersheds around Lake Michigan

Climate	National-scale agricultural productivity changes in response to agricultural land use management change, increasing CO2 and economic drivers
Climate	Projecting Intensity, Duration, and Frequency of Precipitation from Dynamically Downscaled WRF Simulations
Climate	Using dynamically downscaled projections to generate intensity duration frequency (IDF) curves under future climate scenarios (SSWR 5.01A.4)
Climate	Wetlands inform how climate extremes influence surface water expansion and contraction
Climate	3.01C.2. Characterizing resiliency in aquatic systems, including estuarine waters
Climate	3.01D.2. Translation of Biological Condition Gradient (BCG) framework into quantifiable BCG models for Coral Reefs
Climate	Effects of an experimental water-level drawdown on methane emissions from a eutrophic reservoir - journal article. ECOSYSTEMS. Springer, New York, NY, USA,
Climate	Greenhouse gas emissions from freshwater reservoirs: what does the atmosphere see? - journal article. FRONTIERS IN ECOLOGY AND THE ENVIRONMENT. Ecological Society of America, Ithaca, NY, USA,
Climate	Methane Emissions from a Eutrophic Reservoir based on eddy covariance monitoring.- journal article. Journal of the American Meteorological Society.
Climate	Life Cycle Assessment and Cost Analysis of the Water and Wastewater Systems in Greater Cincinnati Region. Environmental Science and Technology. Submitted.
Climate	Effect of Nutrient Removal and Resource Recovery on Life Cycle Cost and Environmental Impacts of Small Scale Wastewater Treatment. Environmental Science and Technology. Submitted.
Climate	Carbon sources and methane production in a eutrophic reservoir.- journal article. Limnology and Oceanography.

Climate	National Water Infrastructure Adaptation Assessment: Part II, Smart Urban Designer (SUD) and Case Studies. EPA report. In preparation.
Climate	Greenhouse gas emissions from lakes and impoundments: upscaling in the face of global change - journal article. Limnology and Oceanography Letters. John Wiley & Sons, Inc., Hoboken, NJ, USA,
Climate and Life Cycle	Life cycle energy and global warming potential of household water and wastewater service options for a coastal community
Climate, Food Waste, Lead, Hydraulic Fracturing, NOs, PM, Nitrogen, Life Cycle	Active/Open grants awarded under -- P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet (2017) Project Period: January 2018-December 2018; February 2018-January 2019
Climate, Lead, Ozone, PM, Nitrogen, Life Cycle	Active/Open grants awarded under -- Air, Climate and Energy (ACE) Centers: Science Supporting Solutions (2014) Project Period: May 2016-April 2021; December 2015-November 2020; October 2015-September 2020
Climate, Lead, Ozone, PM, Nitrogen, Life Cycle	Active/Open grants awarded under -- Particulate Matter and Related Pollutants in a Changing World (2014) Project Period: April 2016-March 2019; January 2016-December 2018
Climate, Lead, Pesticides, Ozone, Life Cycle	Active/Open grants awarded under-- Human and Ecological Health Impacts Associated with Water Reuse and Conservation Practices (2014) Project Period: September 2015-August 2018
Climate, Lead, PFAS, PM, Life Cycle	2018 Research progress review meeting summary report for the EPA/NIH EHD Research Centers
Climate, Nitrogen	Active/Open grants awarded under -- Anthropogenic Influences on Organic Aerosol Formation and Regional Climate Implications (2012) Project Period: April 2013-March 2016 (Extended to March 2018)

Climate, Nitrogen	Active/Open grants awarded under -- National Priorities: Systems-Based Strategies to Improve the Nation's Ability to Plan And Respond to Water Scarcity and Drought Due to Climate Change (2014) Project Period: September 2015-August 2018
Climate, NOx, ozone	Southeast Atmosphere Studies: investigating fundamental atmospheric chemistry questions
Climate, NOx, ozone	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study (NIHMS940844, Publ.ID: 44610; currently being submitted into PubMed)
Climate, Ozone, PM	Active/Open grants awarded under-- Measurements and Modeling for Quantifying Air Quality and Climatic Impacts of Residential Biomass or Coal Combustion for Cooking, Heating, and Lighting (2012) project period: June 2014-May 2017 (Extended to March 2019)
Climate, Ozone, PM, Nitrogen	Active/Open grants awarded under -- Indoor Air and Climate Change (2014) Project Period: August 2015-April 2017 (Extended to April 2019); May 2015-April 2018 (Extended to April 2019); November 2014-October 2017 (Extended to October 2018)
Climate, Pesticides, Lead, Life Cycle	Working with Tribes to Assess, Manage, and Improve Ecosystem Function through Collaborative Projects and the EPA Science to Achieve Results (STAR) Grants Program
Climate, PM	Active/Open grants awarded under -- Science for Sustainable and Healthy Tribes (2013) Project Period: July 2014-June 2017 (Extended to June 2018)
Climate, PM, Lead, Ozone, Nitrogen, Life Cycle	Progress review meeting for PM in a changing world (PM Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipient.display/rfa_id/594)
Climate, PM, Ozone	Household Energy Research Meeting (Cookstove Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipient.display/rfa_id/563)

Climate, PM, Ozone, Life Cycle, Nitrogen, Lead	ACE Centers Annual Meeting (ACE Center Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipient.display/rfa_id/588)
Climate, PM, Ozone, Nitrogen	Indoor Air and Climate change - progress review meeting (Indoor Air Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipient.display/rfa_id/590)
Climate, Sustainable Materials Management, Chemical Life Cycle	Active Contracts Awarded under -- Small Business Innovation Research (SBIR) - Phase II (2016) Project Period: March 2017-February 2019
Climate/Nutrients	A Review of Water Quality Responses to Climatic Drivers– Part I
Climate/Nutrients	A Review of Water Quality Responses to Climatic Drivers– Part II: Nutrients, Cyanobacterial Blooms, Sediment and Pathogens
Conductivity	A field-based model of the relationship between extirpation of salt-intolerant benthic invertebrates and background conductivity
Conductivity	Assessing background levels of specific conductivity using weight of evidence
Conductivity	Developing field-based conductivity benchmarks in areas with few sources: A case example in the Cascades of Northwestern United States
Conductivity	Modeling spatial and temporal variation in natural background specific conductivity
Conductivity	Community structures of phytoplankton with emphasis of toxic cyanobacteria in an Ohio inland lake during bloom season; Journal of Water Resource and Protection Vol.9 No.11(2017)
Endocrine Disruption	Identification of reference chemicals necessary to evaluate predictive models of estrogen receptor activity.

Endocrine Disruption	Methods for a medium-throughput organotypic assay to quantitatively evaluate effects of chemical exposure on human thyroid follicles (Manuscript)
Endocrine Disruption	Computational models predicting impact of chemical exposures on androgen receptor activity and steroidogenesis (SAP White Paper)
Endocrine Disruption	High-throughput H295R steroidogenesis assay: utility as an alternative and a statistical approach to characterize effects on steroidogenesis (Manuscript)
Endocrine Disruption	A systematic evaluation of analogs and automated read-across prediction of estrogenicity: A case study using hindered phenols. Computational Toxicology 2017, in press
Endocrine Disruption	"First Principle QSAR Models Reveal Structure-Activity Relationship for Human Estrogen Receptor" submitted (2016)
Endocrine Disruption	"Uncertainty analysis of in vitro Estrogen Receptor Model" submitted (2017)
Endocrine Disruption	Active/Open grants awarded under -- Organotypic Culture Models for Predictive Toxicology Center (2013) Project Period: December 2014-November 2018
Endocrine Disruption	Identification of potential sodium iodide symporter (NIS) inhibitors in ToxCast chemical libraries.
Endocrine Disruption	Summary of screening chemicals for activity as inhibitors of Deiodinase Type 1
Endocrine Disruption	Thyroid hormone metabolism
Endocrine Disruption	Identify the repercussions of thyroid circuit disruption to development and function of the NVU
Endocrine Disruption	Fish translator model using endpoints measured in the EDSP Tier 2 fish assay (delayed from FY16)

Endocrine Disruption	Active/Open grants awarded under-- Development and Use of Adverse Outcome Pathways that Predict Adverse Developmental Neurotoxicity (2012) Project Period: July 2013-June 2016 (Extended to January 2018)
Endocrine Disruption, Lead, Life Cycle	Active/Open grants awarded under -- Systems-Based Research for Evaluating Ecological Impacts of Manufactured Chemicals (2014) Project Period: June 2015-May 2018
Endocrine Disruption, Pesticides	Active/Open grants awarded under -- New Methods in 21st Century Exposure Science (2013) Project Period: October 2014-September 2017 (Extended to September 2018)
Endocrine Disruption, Pesticides	Global analysis of ToxCast targets by SeqAPASS (delayed from FY17)
Endocrine Disruption, Pesticides, Climate, Lead, PFAS, PM	EPHI Research Synthesis Report
Endocrine Disruption, Pesticides, Climate, Lead, PFAS, PM, Chemical Life Cycle	2017 Annual Meeting Proceedings NIEHS/EPA Children's Environmental Health and Disease Prevention Research Centers: Protecting Children's Health for a Lifetime
Endocrine Disruption, Pesticides, PM, Ozone	Active/Open grants awarded under-- Children's Environmental Health and Disease Prevention Research Centers (2014) Project Period: September 2015-August 2019; June 2013-May 2018
Endocrine Disruption; Chemical Life Cycle	OCM Center Progress Review (OCM Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipient.display/rfa_id/577)
Food Waste	Organic Waste Diversion in Columbia, South Carolina, Feasibility Study - report
Food Waste	Food Waste Tracking Technology Demonstration at Fort Jackson. EPA Report.
Food Waste	Excess Food Opportunities Map – Technical Methodology Internal Report
Food Waste	Wasted Food Generation in the US - Sources, Amounts, and Estimation Methodologies. U.S. Environmental Protection Agency, Washington, DC, USA,
Gold King	Geochemical Assessment of the Fate of the Gold King Mine Release (approximate title)

Gold King, PM, Nitrogen, Hydraulic Fracturing	Active/Open grants awarded under -- NIH/EPA Centers of Excellence on Environmental Health Disparities Research (2015) Project Period: July 2015-June 2020
Green Infrastructure	Green Schools Conference (Healthy Schools Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipientdisplay/rfa_id/568/records_per_page/ALL)
green infrastructure	Publication Suite on Eco-Health Relationships
Green Infrastructure	Development of improved linkages of air quality models with green infrastructure implementation (SSWR 5.01A.3)
Green Infrastructure	Effectiveness of landscape green infrastructure on runoff reduction in a suburban development
Green Infrastructure	Representing Green Infrastructure Management Techniques in Arid and Semi-Arid Regions: Software Implementation and Demonstration Using the AGWA/KINEROS2 Watershed Model
Green Infrastructure	The worth of river floodplains: How restoration, levee setback, and reconnection of river floodplain delivers broad ecosystem service value
Green Infrastructure	Effects of ten years of nitrogen and phosphorus fertilization on a tidal freshwater marsh
Green Infrastructure	Floodplain restoration increases hyporheic flow in Yakima River Watershed, Washington
Green Infrastructure	State of the science for groundwater management in green infrastructure projects
Green Infrastructure	Subcatchment Characterization for Evaluating Green Infrastructure using the Storm Water Management Model. HYDROLOGY AND EARTH SYSTEM SCIENCES. EGS, (2018).
Green Infrastructure	Assessing Watershed Scale Approaches to Natural Green Infrastructure by Applying Translational Science Techniques: An Ohio Case Study.
Green Infrastructure	St. Francis Rain Gardens in Cincinnati, Ohio; Monitoring the Performance of Green Infrastructure.

Green Infrastructure	Scenario-based stormwater management planning support system for combined sewer overflows: a case study in Cincinnati, Ohio.
Green Infrastructure	A framework to leverage benefits from greenspace for stormwater management. Journal article.
Green Infrastructure	Mechanisms in a Subsurface Infiltration Stormwater Control Measure.
Green Infrastructure	Three Permeable Pavements Performances for Metals from Edison Parking Lot, NJ: Time Series Analysis - journal article.
Green Infrastructure	Monitoring the performance of urban green infrastructure using tensiometer- Journal article
Green Infrastructure	Long term effects of three types of permeable pavements on nutrient infiltrate concentrations- Journal article.
Green Infrastructure	Quantifying and modeling the long-term performance of urban green roofs for stormwater control. Journal article.
Green Infrastructure/Climate	Adapting Urban BMPs for Resilience to Long-term Environmental Changes
Green Infrastructure/Climate	Improving the Resilience of Best Management Practices in a Changing Environment: Urban Stormwater Modeling Studies
Green Infrastructure/Climate	Simulated Sensitivity of Urban Green Infrastructure Practices to Climate Change
Hydraulic Fracturing	Active/Open grants awarded under -- Oil and Gas Development in the Appalachian Basin (2016) Project Period: August 2017 - August 2020
Hydraulic Fracturing	Oil and Gas National Priority Research Meeting (National Priorities Grant - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.display/rfa_id/625)
Hydraulic Fracturing	Assessment of the environmental impact of HF of tight/shale gas reservoirs on shallow groundwater: 2. important issues and additional sensitivity analyses
IRIS	An analysis of cumulative risks based on biomonitoring data for six phthalates using the Maximum Cumulative Ratio

IRIS	Development of outcome-specific criteria for systematic review of epidemiology studies
IRIS	Dose-response analysis of male reproductive phthalate syndrome effects
IRIS	Effect of pre-processing raw microarray data on identification of most sensitive pathways and transcriptomic BMD values
IRIS	Framework to screen chemicals for thyroid activity: opportunities and challenges with use of high-throughput testing and adverse outcome pathways
IRIS	Integrating Data Gap Filling Techniques to Facilitate the Assessment of Polychlorinated Biphenyls: A Case Study for Predicting Neurotoxicity
IRIS	IRIS Assessment Plan for Manganese
IRIS	IRIS Assessment Plan for Naphthalene
IRIS	Key characteristics of male reproductive toxicants
IRIS	Mode of action analysis of Dibutyl phthalate (DBP) induced male reproductive effects
IRIS	Polychlorinated Biphenyls (PCBs) - Noncancer - Preliminary Materials
IRIS	Polychlorinated Biphenyls (PCBs) - Noncancer - Public Science Webinar
IRIS	Systematic Evaluation of Inhalation Studies for Exposure Quality: A Case Study with Formaldehyde
IRIS	Systematic review of epidemiology studies on female reproductive and developmental effects of phthalates
IRIS	Systematic review of epidemiology studies on male reproductive effects of phthalates
IRIS	Systematic review of epidemiology studies on metabolic effects of phthalates
IRIS	Systematic review of epidemiology studies on neurodevelopmental effects of phthalates
IRIS	Systematic Review Protocol for the IRIS Ammonia (Oral)
IRIS	Systematic Review Protocol for the IRIS Ethylbenzene
IRIS	Systematic Review Protocol for the IRIS Hexavalent Chromium Assessment

IRIS	Systematic Review Protocol for the IRIS Inorganic Arsenic
IRIS	Systematic Review Protocol for the IRIS Nitrate/Nitrite Assessment
IRIS	Systematic Review Protocol for the IRIS Uranium
IRIS	Toxicological Review of Hexahydro-1,2,5-trinitro-1,3,5-triazine (RDX). Agency Review/Interagency Science Discussion draft.
IRIS	Toxicological Review of Hexahydro-1,2,5-trinitro-1,3,5-triazine (RDX). Final.
IRIS	Toxicological Review of Polycyclic Aromatic Hydrocarbons (PAH) Mixtures. Agency Review/Interagency Science Discussion draft.
IRIS	IRIS Assessment Plan for Ammonia (Oral)
Lead	Design and Testing of USEPA's Flint Pipe Rig for Corrosion Control Evaluation.
Lead	Field testing the conventional wisdom of lead corrosion control mechanisms in the Midwest
Lead	SEQUENTIAL DRINKING WATER SAMPLING AS A TOOL FOR EVALUATING LEAD IN FLINT, MICHIGAN.
Lead	Sequential Sampling Fact Sheet
Lead	Lead Corrosion Control Case Study in Ohio (Sebring) (working title).
Lead	Sampling for Lead in Drinking Water (working title)
Lead	Demonstration of Effective Lead Reduction by Point of Use Filters: Field Study in Flint, Michigan (working title).
Lead	Interpreting Certification Marks for Lead Removal by Tap Mount and Pitcher Filtration Devices (working title).
Lead	Lead Service Line Project Outcomes
Lead	Flint Pipe Scale Analysis Findings
Lead	Destabilization of Lead Pipe Scales in a Long-Term Vacant Home in Cincinnati. (working title)

Lead	Biosensors for detection of lead ions in environmental contaminants- A comprehensive review
Lead	Validation of Lead Model for Premise Plumbing Modeling.
Lead	Variation in Comparison of the structure and composition of localized copper corrosion in a drinking water distribution system
Lead	Arsenic Speciation of Contaminated Soils / Solid Wastes and Relative Oral Bioavailability in Swine and Mice. Soil Science. Lippincott Williams & Wilkins, Philadelphia, PA, USA,
Lead	Point of zero charge: Role in pyromorphite formation and bioaccessibility of lead and arsenic in phosphate amended soils. Soil Science. Lippincott Williams & Wilkins, Philadelphia, PA, USA,
Lead	National Priorities: Transdisciplinary Research into Detecting and Controlling Lead in Drinking Water Kickoff Meeting (National Priorities Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.rfatext/rfa_id/637)
Lead, Green Infrastructure, Hydraulic Fracturing, Life cycle	Active/Open grants awarded under -- Performance and Effectiveness of Green Infrastructure Stormwater Management Approaches in the Urban Context: A Philadelphia Case Study (2012) Project Period: October 2013-September 2017 (Extended to September 2018)
Lead, Life Cycle	Active/Open grants awarded under -- EPA/NSF Networks for Characterizing Chemical Life Cycle (NCCLCs) (2013) Project Period: March 2014-March 2018
Lead, Life Cycle	Active/Open grants awarded under -- National Priorities: Life Cycle Costs of Water Infrastructure Alternatives (2015) Project Period: April 2016-March 2020
Lead, Pesticides, Hydraulic Fracturing, Nitrogen, Life Cycle	Active/Open grants awarded under -- Centers for Water Research on National Priorities Related to a Systems View of Nutrient Management (2012) Project Period: November 2013-October 2018; September 2013-August 2018

Lead, Pesticides, PM	Active/Open grants awarded under -- Children's Environmental Health and Disease Prevention Research Centers (with NIEHS) (2012) Project Period: July 2013-June 2018; June 2013-May 2018
Lead, PM	Total Environment and Ecosystem Services STAR Research Grants Kickoff Meeting (Total ENvironment Grants - https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.display/rfa_id/630/records_per_page/ALL)
Lead, PM	Active/Open grants awarded under -- Using a Total Environment Framework (Built, Natural, Social Environments) to Assess Life-long Health Effects of Chemical Exposures (2017) Project Period: January 2018-December 2020
Lead, PM, Nitrogen, NOx, Life Cycle	Active/Open grants awarded under -- P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet - Phase 2 (2016) Project Period: February 2017-January 2019
Life Cycle	Application of existing human exposure models to near-field exposure scenarios across the product life cycle for five example consumer product ingredient compounds for which ToxCast high-throughput screens have shown elevated biological activities
Life Cycle	Bridging Life Cycle Analysis Core Ontology with Exposure Ontology for Human Exposure Modeling of Chemical Pollutants
NAAQS	Local and regional characteristics influencing public health impacts of air pollution in healthy and at-risk populations: advancing inputs, algorithms, and approaches for modeling human exposures to air pollutants
NAAQS	Modeling individual exposures to ambient PM2.5, CO, NOx, EC for the Coronary Artery Disease and Environmental Exposure (CADEE) panel study: application of exposure tracker (E-Trac) model
NAAQS	Significantly reduced health burden from ambient air pollution in the US under emission reductions from 1990 to 2010
NAAQS	Supporting materials for inclusion in the NO2 NAAQS final rulemaking (ACE EM-1.6)

Nitrogen	Model Estimates of Nitrogen Loading to the Chesapeake Bay (ACE AIMS-2.2)
NOx	Assessing future emissions from mobile sources using projections of population and land use change
NOx	Efficacy of various intervention strategies in the mitigation of cardiopulmonary, immune, metabolic and other systemic effects due to air pollution exposure
NOx	Regional similarities and NOx-related increases in biogenic secondary organic aerosol in summertime Southeastern U.S.
NOx	Meta-analysis of approaches for remediation of effects from N deposition on terrestrial ecosystems
NOx/Climate	Assessing the Effects of Climate Change and Air Pollution on Soil Properties and Plant Diversity in Northeastern U.S. hardwood forests: Model Setup and Evaluation
NOx/Climate	Atmospheric Deposition and Exceedances of Critical Loads from 1800-2025 for the Conterminous United States
NOx/Climate	Climate change and nitrogen effects on forest composition in 2060
NOx/Climate	Soil chemistry and forest understory composition responses to alternative deposition, temperature and precipitation scenarios in the Northeastern U.S.
NOx/Nutrients	Dynamic growth and survival responses of tree species to nitrogen deposition across the US
NOx/Nutrients	Rapid shift in nitrogen inputs and fluxes across the contiguous United States
NOx/SOx	Implications of exposure error for epidemiology for SO2 and NO2
NOx/SOx/Nutrients	Differential vulnerability of 243 herbaceous species to nitrogen and sulfur deposition across the U.S.
Nutrients	March 2017-February
Nutrients	Airborne Remote Sensing for Estimating Corn Plant Biomass and Nitrogen Status
Nutrients	Model Comparison of Phosphorus and Nitrogen Loading to the Chesapeake Bay

Nutrients	Comparison of CMAQ deposition estimates and recommendations for application to Total Deposition maps
Nutrients	Updating an integrated agriculture and atmospheric modeling system to support air quality modeling and deposition to ecosystems research
Nutrients	Change in nitrogen delivery to lakes and estuaries in the eastern United States as a result of implementing air quality regulations
Nutrients	Integrated change analysis for flow, nutrients, and sediment loads using Phase-6 Chesapeake Bay Watershed Model
Nutrients	Effects of Long Term Projected Meteorology on Atmospheric Deposition of Nitrogen in the Chesapeake and other Coastal Waters
Nutrients	Long-term trends of total inorganic nitrogen and sulfur deposition in US from 1990 to 2010
Nutrients	Rapid shift in nitrogen inputs and fluxes across the contiguous United States
Nutrients	Rapid restructuring of the nitrogen cycle across the contiguous United States
Nutrients	Annual update to the EnviroAtlas application (including enhanced nutrient loading indicators)
nutrients	National Maps of Nutrient Sources and Loads
nutrients	Multi-source, multi-sector analysis of nitrogen and phosphorus input and impacts to the US environment
nutrients	Watershed-scale decision making tool
Nutrients	Economic and Environmental Analysis for Advancing Sustainable Management of Livestock Waste. ACS Sustainable Chemistry & Engineering. American Chemical Society, Washington, DC, USA,
Nutrients	Surface and subsurface Coal environments - From environmental formation and chemistry to microbial communities. Handbook of Hydrocarbon and Lipid Microbiology (2nd edition)

Nutrients	“What Goes Up Must Come Down – Integrating Air and Water Quality Monitoring” EPA/USDA/USGS
Nutrients	Harmonization of diatom taxonomy for use in indicator development
Nutrients	Improving diatom taxonomic consistency in existing datasets of the National Rivers and Streams Assessment
Nutrients	Measuring lotic ecosystem responses to nutrients: a mismatch that limits the application of experimental studies to management
Nutrients	Linked model simulation results supporting the development of quantitative nutrient thresholds for the Nation's waters
Nutrients	Integrating Multi-Media Models to Assess Nitrogen Losses from the Mississippi River Basin to the Gulf of Mexico
nutrients	3.01B.2. Utility of the watershed integrity and aquatic condition maps for human health analyses
nutrients	3.01D.3. Estimating and communicating uncertainty in water models
nutrients	6.02D.3. Comparative toxicity of microcystin congeners found in United States freshwaters
Nutrients	Anaerobic Hydrocarbon-degrading Deltaproteobacteria. Handbook of Hydrocarbon and Lipid Microbiology Series, Taxonomy, Genomics, and Ecophysiology of Hydrocarbon-Degrading Microbes
Nutrients	Associations Between ELISA and LC/MS/MS Analyses of Microcystins as a Function of Concentration and Water Quality. Harmful Algae. Elsevier. Journal Article
Nutrients	Associations Between Indicators of Cellular Health and Cell-Bound Toxin Content in Microcystis Aeruginosa. Harmful Algae. Elsevier. Journal Article.
Nutrients	Seasonal variation of microcystins in a hypertrophic Lake in Ohio, USA. Journal Article.
Nutrients	Distribution and variation of targeted microcystins throughout the State of Ohio, USA. Journal Article

Nutrients	Assessing cross-scale patterns and the composition of ecological communities of alternative lake regimes. PLoS ONE. Public Library of Science, San Francisco, CA, USA,
Nutrients	Critical review of eutrophication models for life cycle assessment (peer-reviewed paper). ENVIRONMENTAL SCIENCE & TECHNOLOGY. American Chemical Society, Washington, DC, USA,
Nutrients	Mechanisms of Phosphorus Removal by Phosphorus Sorbing Materials. JOURNAL OF ENVIRONMENTAL QUALITY. American Society of Agronomy, MADISON, WI, USA,
Nutrients	Decision Support Tool for Risk-based Watershed Health Management. U.S. Environmental Protection Agency, Washington, DC, USA.
Nutrients	Nutrient Innovation Showcase Meeting EPA/USGS/NOAA/USDA/NIST
Nutrients	Nutrient Visioneering Meeting EPA/USGS/NOAA/USDA/NIST
Nutrients	Challenging Nutrients - Interagency Senior Level Meeting EPA/USGS/NOAA/NIST/USDA
Ozone	Significant ground-level ozone attributed to lightning-induced nitrogen oxides during summertime over the Mountain West States
Ozone	Ozone monitoring network and potential for exposure misclassification in epidemiologic studies
ozone	The role of social determinants in mortality and key environmentally linked diseases
Ozone, Nitrogen	Active/Open grants awarded under -- Air Pollution Monitoring for Communities (2014) Project Period: May 2016-April 2019
Ozone, PM	Active/Open grants awarded under -- Health Effects Institute (2015) Project Period: April 2015-March 2020
Ozone, PM, Nitrogen	Active/Open grants awarded under -- Long-term Exposure to Air Pollution and Development of Cardiovascular Disease (2016) Project Period: September 2017-August 2021
Ozone, PM, Nitrogen	Active/Open grants awarded under -- National Centers for Innovation in Small Drinking Water Systems (2013) Project Period: August 2014-June 2017 (Extended to June 2018)

Pesticides	Prioritization of pesticide inert ingredients for further testing (Manuscript)
Pesticides	Trait-based population models for evaluation of chemical, ecological, and demographic traits that influence species vulnerability to pesticide use for initial detection of sensitivity in novel chemical/species exposure scenarios (delayed from FY17)
Pesticides	Screening level data on DNT Reference and other high priority chemicals in in vitro and alternative assays for DNT
Pesticides	Genomic biomarkers for molecular initiating events and early key events in chemical carcinogenesis AOPs
Pesticides	Testing and predicting fish metabolism pathways.
Pesticides	Dynamic Energy Budget Model (proof of concept) (Activity 3)
Pesticides	Life Stage Structured Population Model Estimating Population Effects from Time-Varying Exposure
Pesticides	Evaluation and development of approaches to assess chemical risk to vernal pool critical habitat of endangered species
Pesticides	3.02B1.2. Methods to integrate exposure from multiple pathways in the context of aquatic life criteria (delayed from FY17)
Pesticides, TSCA, Endocrine Disruption	Novel data streams to support AOP discovery and development
Pesticides, TSCA, Endocrine Disruption	From principles to practice – case studies illustrating AOP development strategies.
Pesticides, TSCA, Endocrine Disruption	Computational Infrastructure to support AOP development and use
PM	Report Summarizing Emission Factors from Three gasoline direct injection (GDI) Technologies

PM	Summarize recommended motor vehicle emissions methods for characterizing emissions of ultrafine particles (UFP)emissions of ultrafine particles (UFP)
PM	Report characterizing on-road light-duty truck emissions with and without a trailer
PM	Best practice guidance for modeling green infrastructure as a mitigation measure for local-scale air quality impacts
PM	Field-based emission measurements of indoor biomass burning in typical built-in-place stoves and implications for emission inventory and pollution mitigation. Journal Article.
PM	Evaluation of BC Sensor (Report)
PM	Organic Carbon Exposure and Secondary Organic Aerosols (Peer Reviewed Article)
PM	Projecting Health Burden with Smoke Forecast Models
PM	Characterization of exposures to air pollutants and risk factors that lead to development and exacerbation of disease
PM	Assessment of health effects attributable to microenvironments with contrasting source profiles
PM	Determining the heterogeneity of health impacts of individual policies and regulations
PM	Develop a mobile device app (Smoke Sense) for a citizen science study to determine the extent to which exposure to wildland fire smoke affects health and productivity
PM	An updated review of IAQ and health outcomes of air cleaners in homes
PM	Changes in PM2.5/PM10 ratios resulting from decreases in SO2 emissions
PM	Comparison of Health Effects Related to Exposures to Fresh and Aged Particles.
PM	Does extreme heat modify the PM2.5 – congenital heart defect relationship in the NBDPS
PM	Dosimetry of Inhaled Elongate Mineral Particles in the Respiratory Tract: The Impact of Shape Factor

PM	Exposure to air pollution and limb defects in the NBDPS
PM	Exposure to PM2.5 and risk of preterm birth among NBDPS controls
PM	ISA: Particulate Matter
PM	Review of PM deposition on soil impacts
PM	Systematic Review of exposure to black carbon and biomarkers of cardiovascular function
PM	Nonchemical Stressors, Epigenetic Changes, Susceptibility to Air Pollution Exposure, and Cardiovascular Disease
PM, Climate, Chemical Life Cycle, Nutrients, Conductivity	Active Contracts Awarded under -- Small Business Innovation Research (SBIR) - Phase II (2017) Project Period: February 2018-January 2020
PM, Green Infrastructure	Active/Open grants awarded under -- Healthy Schools: Environmental Factors, Children's Health and Performance, and Sustainable Building Practices (2013) Project Period: November 2015-October 2018
PM, NOx, SOx, GHG, Green Infrastructure	Measuring Urban Sustainability: Application of Green Economic metrics to the Chicago Metropolitan Area; Abstract AICHE conference 10/28/2018 - 11/2/, Pittsburgh, PA; Abstract and Presentation: International Congress on Sustainability Science & Engineering August 2018, Journal Article (expected September 2018)
PM, O3, NOx, SOx	Perspective Analysis of Emerging Natural Gas based Technology Options for Electricity Production
PM, Ozone	Association of short term and long term exposure to PM2.5 or ozone with acute changes in biomarkers (e.g. metabolomic, inflammatory, blood lipids, cardiac repolarization) that can be related to the clinical outcomes
PM, ozone	Comparison of adverse health effects associated with chronic air pollution exposure in neighborhoods that differ by SEC

PM. O3, NOx, SOx	Perspective Analysis of Emerging Natural Gas based Technology Options for Electricity Production. Journal article.
PM. O3, NOx, SOx	Greenhouse Gas Mitigation Options Database and Tool - User Manual for Data Repository of GHG Mitigation Technologies
PM/NOx/SOx	ISA: Oxides of Nitrogen, Oxides of Sulfur, and Particulate Matter - Ecological Criteria
PM/Ozone	A New Method for Probabilistic Assessment of the Efficacy of Emission Control Strategies in Meeting the Ambient Ozone Standard
PM/Ozone	Ambient Particulate Matter and Acrolein Co-Exposure Increases Myocardial Dyssynchrony in Mice: Evidence for TRPA1 Involvement
PM/Ozone	An aerosol mapping study to determine sample collection locations for future PM10-2.5 and PM2.5 concentration and speciation spatial
PM/Ozone	Assessing the Impact of Fine Particulate Matter [PM2.5] on Respiratory-Cardiovascular Chronic Diseases in the Baltimore Maryland Metropolitan Area using Hierarchical Bayesian Model Estimates (WORKING TITLE)
PM/Ozone	Assessment of improved wildland fire smoke plume rise algorithms in the CMAQ/SMOKE system (ACE EM-2.5)
PM/Ozone	Development of depressed roadway algorithm for application within the RLINE dispersion model
PM/Ozone	Evaluation of the R-Line and ADMS models in simulating the impact of barriers on near road air quality
PM/Ozone	Impact of secondary organic aerosol on black carbon mixing state in the southeastern United States
PM/Ozone	Impact of traffic-related sources on residential outdoor and indoor PM2.5 in Detroit, MI
PM/Ozone	Implications of emission inventory choice for modeling fire-related pollution in the U.S.
PM/Ozone	Isolation of local source impacts in high-time resolution fine particulate matter sensor data

PM/Ozone	Long-term, high-time resolution measurement of particulate and gaseous air pollution near the Port of Newark
PM/Ozone	Manuscript evaluating AgBurn 2013 field study (ACE EM-2.5)
PM/Ozone	Manuscripts Quantifying the impact of the Horse River Wildfire on ambient air pollution concentrations in regional communities (ACE EM-2.5)
PM/Ozone	Modeling prescribed burning experiments and assessing the fire impacts on air quality
PM/Ozone	Multimodel analysis of AQMEII3 emission perturbation scenarios - impacts on air quality and health
PM/Ozone	Multi-model comparison of lateral boundary contributions to surface ozone over the United States
PM/Ozone	New FRM/FEM designations for FY18 including modification to existing methods being used for NAAQS compliance monitoring (ACE EM-1.6)
PM/Ozone	Oxidation and volatility of chamber-generated secondary organic aerosols
PM/Ozone	Preparing photochemical mechanism for the CMAQ model and using their numerical solvers
PM/Ozone	Regional-scale new particle formation and growth: development and application of ultrafine particle simulation in CMAQ
PM/Ozone	Significant organic aerosol formation from biogenic volatile organic compounds in the Southeastern United States
PM/Ozone	Smog Chamber Characterization of Hydroxy/carboxyl-nitro compounds in SOA from aromatic oxidation: implication for PM2.5
PM/Ozone	The Chemistry of Reactive Free-Radical Species and their Role in Affecting Criteria Pollutant Concentrations (ACE AIMS-1.1)
PM/Ozone	The impact of US wildland fires on ozone and particulate matter: a comparison of measurements and CMAQ model predictions from 2008-2012
PM/Ozone	Upper air ozone evaluation and flux analysis over North America

PM/Ozone/NOx/SOx	Causal determinations and at-risk conclusions across the Integrated Science Assessments
PM/Ozone/NOx/SOx	Literature Screening Methods for the Integrated Science Assessments
SOx	Improvement in atmospheric visibility resulting from decreases in SO2 emissions
Sustainable Materials Management	Feasibility assessment for an Integrated Waste and Stormwater Management Wizard/ Analytical tool (SHC 4.61.1)
Sustainable Materials Management	Report on bioavailability following in situ evaluation of sustainable remediation technologies aimed to reduce community exposure to metals in soils (SHC 2.62.3)
Sustainable Materials Management	Weight of evidence for assessing remedy effectiveness at a contaminated sediment site, Report.
Sustainable Materials Management	CDDPath: A Method for Quantifying the Loss and Recovery of Construction and Demolition Debris in the United States
Sustainable Materials Management	Inventories and flows of wood in the U.S. economy
Sustainable Materials Management	Advances in the production of Platform Chemicals from Waste Cellulosic or Lignin Biomass
Sustainable Materials Management	Advances in Materials for the Separation of Solvent-Water Mixtures
Sustainable Materials Management	Propose an efficacy test protocol for solidifiers listed on the NCP Product Schedule.
Sustainable Materials Management	Report on screening of two potential reference oils for dispersant effectiveness, chemical characterization and toxicity.
Sustainable Materials Management	Report on the development of a Surface Washing Agent effectiveness protocol for products on the NCP Schedule with new reference oils.
Sustainable Materials Management	Report on wave tank simulations characterizing the effect of dispersant on dispersion effectiveness during surface and deep ocean spills, an FOSC decision support guide.
Sustainable Materials Management	Sustainable Materials Management Options for Construction and Demolition Debris

Sustainable Materials Management	Does Disposing of Construction and Demolition Debris in Unlined Landfills Impact Groundwater Quality? Evidence from 91 Landfill Sites in Florida. ENVIRONMENTAL SCIENCE & TECHNOLOGY. American Chemical Society, Washington, DC, USA,
Sustainable Materials Management	Comparison of the efficiency of chitinous and ligneous substrates in metal and sulfate removal from mine influenced water. WATER RESEARCH. Elsevier Science Ltd, New York, NY, USA,
Sustainable Materials Management	CDDPath: A Method for Quantifying the Loss and Recovery of Construction and Demolition Debris in the United States.
Sustainable Materials Management	Synthesis of Environmental Simulants or Tracers Using Novel Aerosol Based Techniques. ENVIRONMENTAL SCIENCE & TECHNOLOGY. American Chemical Society, Washington, DC, USA,
Sustainable Materials Management	Photochemical oxidation reduced the efficacy of aerial dispersants applied in response to the Deepwater Horizon oil spill. International Journal of Environmental Science and Technology. Springer, Heidelberg, GERMANY,
Sustainable Materials Management	Use of Passive Samplers to Determine the Source of Dissolved PAHs in the Ottawa River, Toledo, Ohio. Case Studies in Oil Spill Environmental Forensics.
Sustainable Materials Management	Gas Quantity and Composition from the Hydrolysis of Salt Cake from Secondary Aluminum Processing. JOURNAL OF HAZARDOUS MATERIALS. Elsevier Science Ltd, New York, NY, USA,
Sustainable Materials Management	Life Cycle Inventories of End-of-Life Pathways of Construction and Demolition Materials. U.S. Environmental Protection Agency, Washington, DC, USA.
Sustainable Materials Management	Assessing the Impact of Overburden Materials Selection from an Appalachian Region Coal Mine in Mine Water Quality Using a Standard Columns Leaching Test
Sustainable Materials Management	A Generic Scenario for Estimating Environmental Releases, Resource Use, Occupational Exposure, and Sustainability During the Recycling of REEs

Sustainable Materials Management	Engineering Issue Paper - Soil Vapor Extraction (SVE) Technology. U.S. Environmental Protection Agency, Washington, DC, USA,
Sustainable Materials Management	Lignin valorization: the sources of lignin and its applications
Tire Crumb	Federal Research Action Plan on Recycled Tire Crumb Used on Playing Fields and Playgrounds: Tire Crumb Rubber and Exposure Characterization (tentative)
TSCA Implementation	TSCA Alternatives Strategic Plan
TSCA Implementation	RapidTox Pre-prioritization workflow/tool
TSCA Implementation	Human and ecological toxicity information for low priority selection process.
TSCA Implementation	High-throughput transcriptomic data to identify putative molecular targets for hundreds of chemicals (database)
TSCA Implementation	Evaluating uncertainty in high throughput PBPK predictions of in vivo toxicity from high throughput screening data (Manuscript)
TSCA Implementation	Systematic empirical evaluation of high throughput models for predicting chemical concentrations in surface water (Manuscript)
TSCA Implementation	Building scientific confidence in the development, evaluation and application of read-across approaches (GenRA dashboard)
TSCA Implementation	Database with high throughput bioactivity data, high-throughput toxicokinetic data, and traditional animal-based PODs for hundreds of chemicals (Database)
TSCA Implementation	Examining the Utility of In Vitro Bioactivity as a Conservative Point of Departure: A Case Study (Manuscript)
TSCA implementation	Mathematical model(s) for chemical priority setting that integrate data from multiple alternative assays for DNT (delayed from FY17)
TSCA implementation	Evaluating Bioaccumulation and AOP effects of selected Methodologically-Challenging Chemical Methods via testing Adverse Outcome Pathway predictions using genomics and standard laboratory endpoints (delayed from FY17)

TSCA implementation	Cytotoxicity of pristine and gastrointestinal fluid-treated copper nanoparticles in rat and human intestinal cells (delayed from FY17)
TSCA implementation	Release beta-version of the ECOTOX Knowledgebase to the internet
TSCA implementation	Develop/evaluate assays of cellular uptake and clearance of silver nanoparticles, and functional assays correlating to these events (including gastrointestinal system context)
TSCA implementation	Biotransformation and Cellular Uptake of Metal Nanoparticles in Intestinal Models
TSCA implementation	Characterizing the intergenerational effects of cerium dioxide nanomaterials in plants
TSCA implementation	Measurement and estimation of n-octanol/water partition coefficients (KOWs) for MCCs
TSCA Implementation	Beta version of the web-enabled Alternatives Assessment Dashboard
TSCA Implementation	Sanitization Methodology to Model a Full US-Average Emissions Inventory for Production of CDR Chemicals
TSCA Implementation	TSCA Chemical Manufacturing Emissions Database
TSCA Implementation	Release data to support chemical exposure modeling: Reconciliation of data mining and simulation approaches
TSCA Implementation	Advancements in Human Exposure and Toxicity Characterization for Life Cycle Assessment. INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT. Ecomed Verlagsgesellschaft AG, Landsberg, GERMANY,
TSCA Implementation	Methodological factors influencing inhalation bioaccessibility of metal(loid)s in PM2.5 using simulated lung fluid. ENVIRONMENTAL SCIENCE & TECHNOLOGY. American Chemical Society, Washington, DC, USA,
TSCA Implementation	Riparian spiders as sentinels of PCB contamination across heterogeneous aquatic ecosystems. ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY. Society of Environmental Toxicology and Chemistry, Pensacola, FL, USA,

TSCA Implementation	Rapid Generation of Controlled Environmental Release Inventories based on Conceptual Flowsheet Synthesis and Equipment/Emission Design Data Bank
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Anticipated Delivery Date	Lab/ Center	Product Type	National Research Program
Q4 FY18	NCER	Peer Review Journal Article / Synthesis Report	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Model	CSS
04/01/18	NRMRL and NERL	Journal	AER
7/10/2018	NCEA	Journal Article	AER
4/20/2018	NCEA	Report	AER
4/30/2018	NCEA	Journal Article	AER

8/5/2018	NCEA	Journal Article	AER
9/30/2018	NCEA	Report	AER
8/15/2018	NCEA	Journal Article	AER
9/30/2018	NCEA	Journal Article	AER
8/20/2018	NCEA	Journal Article	AER
8/5/2018	NCEA	Journal Article	AER
5/10/2018	NCEA	Journal Article	AER
3/31/2018	NCEA	Journal Article	AER
9/20/2018	NCEA	Journal Article	AER
4/20/2018	NCEA	Journal Article	AER
6/30/2018	NCEA	Journal Article	AER
9/15/2018	NCEA	Journal Article	AER
7/31/2018	NCEA	Journal Article	AER
9/30/2018	NHEERL	Journal Article(s)	AER

Ongoing FY18	NCER	Potential Publications by Grantees	AER
2018/Q2	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
6/30/2018	NERL	Journal Article	AER
2018/Q2	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
Ongoing FY18	NCER	Potential Publications by Grantees	SSWR
2018/Q4	NERL	Journal Article	SSWR
2018/Q2	NERL	Journal Article	SSWR
2018/Q2	NERL	Journal Article	SSWR

2018/Q3	NERL	Journal Article	SSWR
2018/Q4	NERL	Journal Article	SSWR
9/30/2018	NERL	Journal Article	SSWR
2018/Q1	NERL	Journal Article	SSWR
9/30/2018	NHEERL	Journal Article(s)	SSWR
9/30/2018	NHEERL	EPA Report	SSWR
03/31/18	NRMRL	Journal	SSWR
03/31/18	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR

9/30/2018 (projected)	NRMRL	Report	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
2018/Q3	NERL	Journal Article	SSWR
Ongoing FY18	NCER	Potential Publications by Grantees	SHC
Ongoing FY18	NCER	Potential Publications by Grantees	AER
Ongoing FY18	NCER	Potential Publications by Grantees	AER
Ongoing FY18	NCER	Potential Publications by Grantees	SSWR
FY18 Q4	NCER	Report	SHC
Ongoing FY18	NCER	Potential Publications by Grantees	AER

Ongoing FY18	NCER	Potential Publications by Grantees	SSWR
4/15/2018	NCER	Journal Article	AER
3/30/2018	NCER	Journal Article	AER
Ongoing FY18	NCER	Potential Publications by Grantees	AER
Ongoing FY18	NCER	Potential Publications by Grantees	AER
FY18 Q4	NCER & NERL	Fact Sheet/Grants Summary	SHC
Ongoing FY18	NCER	Potential Publications by Grantees	SHC
11/26/2018	NCER	Meeting / Meeting Proceedings	AER
4/9/2018	NCER	Meeting / Meeting Proceedings	AER

6/21/2018	NCER	Meeting / Meeting Proceedings	AER
7/22/20118	NCER	Meeting / Meeting Proceedings	AER
Ongoing FY18	NCER	Potential technology/to ols/research publications by recipients	SHC
9/30/2018	NCEA	Journal Article	AER
9/30/2018	NCEA	Journal Article	AER
3/2/2018	NCEA	Journal Article	SSWR
3/2/2018	NCEA	Journal Article	SSWR
3/2/2018	NCEA	Journal Article	SSWR
5/23/2018	NCEA	Journal Article	SSWR
9/30/2018	NRMRL	Journal	SSWR
Delivered FY18 (Richard's paper for FIFRA SAP, delayed FY17 product)	NCCT	Journal Article	CSS

FY18 Q4	NCCT	Other	CSS
Delivered FY18	NCCT	Other	CSS
Delivered FY18	NCCT	Journal Article	CSS
delivered FY18	NCCT	Journal Article	CSS
FY18 Q4	NCCT	Journal Article	CSS
FY18 Q4	NCCT	Journal Article	CSS
Ongoing FY18	NCER	Potential publications by Grantees	CSS
9/30/2018	NHEERL	Journal Article(s); uploading of NIS screening to ToxCast DB	CSS
9/30/2018	NHEERL	Journal Article(s); uploading of NIS screening to ToxCast DB	CSS
9/30/2018	NHEERL	Method	CSS
9/30/2018	NHEERL	Method	CSS
9/30/2018	NHEERL	Model	CSS

Ongoing FY18	NCER	Potential Publications by Grantees	CSS
Ongoing FY18	NCER	Potential publications by Grantees	CSS
Ongoing FY18	NCER	Potential publications by Grantees	CSS
3/31/2018	NHEERL	Journal Article(s)	CSS
FY18 Q4	NCER	Report	SHC
FY18 Q4	NCER	Report	SHC
Ongoing FY18	NCER	Potential Publications by Grantees	SHC
5/23/2018	NCER	Meeting / Meeting Proceedings	CSS
2018/Q1	NERL	Journal Article	SHC
9/30/2018 (projected)	NRMRL	Report	SHC
04/01/18	NRMRL	Internal Report	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
2018/Q2	NERL	Journal Article	SSWR

Ongoing FY18	NCER	Potential publications by Grantees	SHC
5/4/2018	NCER	Meeting / Meeting Proceedings	SHC
9/30/2018	NHEERL	Journal Article(s)	SHC
9/30/2018	NERL	Journal Article	SSWR
2018/Q2	NERL	Journal Article	SSWR
2018/Q3	NERL	Journal Article	SSWR
09/30/18	NRMRL	Journal	SSWR
09/30/18	NRMRL	Journal	SSWR
07/31/18	NRMRL	Journal	SSWR
09/30/18	NRMRL	Report	SSWR
posted online for review 3/10/17 but published in 2018 (open access journal)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Report	SSWR

9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
6/30/2018	NCEA	Journal Article	AER
3/31/2018	NCEA	Report	AER
4/30/2018	NCEA	Journal Article	SSWR
Ongoing FY18	NCER	Potential publications by Grantees	NP
6/26/2018	NCER	Meeting / Meeting Proceedings	SHC
2018/Q2	NERL	Journal Article	SSWR
6/30/2018	NCEA	Journal Article	HHRA

8/16/2018	NCEA	Journal Article	HHRA
9/30/2018	NCEA	Journal Article	HHRA
6/30/2018	NCEA	Journal Article	HHRA
5/31/2018	NCEA	Journal Article	HHRA
5/31/2018	NCEA	Journal Article	HHRA
9/30/2018	NCEA	Assessment Document	HHRA
6/30/2018	NCEA	Assessment Document	HHRA
9/30/2018	NCEA	Journal Article	HHRA
8/30/2018	NCEA	Journal Article	HHRA
7/17/2018	NCEA	Assessment Document	HHRA
8/27/2018	NCEA	Assessment Document	HHRA
7/1/2018	NCEA	Journal Article	HHRA
7/15/2018	NCEA	Journal Article	HHRA
6/28/2018	NCEA	Journal Article	HHRA
7/31/2018	NCEA	Journal Article	HHRA
8/30/2018	NCEA	Journal Article	HHRA
9/30/2018	NCEA	Assessment Document	HHRA
9/30/2018	NCEA	Assessment Document	HHRA
6/1/2018	NCEA	Assessment Document	HHRA

9/30/2018	NCEA	Assessment Document	HHRA
9/1/2018	NCEA	Assessment Document	HHRA
9/30/2018	NCEA	Assessment Document	HHRA
7/1/2018	NCEA	Assessment Document	HHRA
9/1/2018	NCEA	Assessment	HHRA
7/1/2018	NCEA	Assessment Document	HHRA
4/30/2018	NCEA	Assessment Document	HHRA
03/31/18	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Fact sheet	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Fact Sheet	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR

9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
FY 2018 (Projected)	NRMRL	Journal	SSWR
FY 2018 (Projected)	NRMRL	Journal	SSWR
9/10/2018	NCER	Meeting / Meeting Proceedings	SSWR
Ongoing FY18	NCER	Potential publications by Grantees	SSWR
Ongoing FY18	NCER	Potential publications by Grantees	CSS
Ongoing FY18	NCER	Potential publications by Grantees	NP
Ongoing FY18	NCER	Potential publications by Grantees	NP

Ongoing FY18	NCER	Potential publications by Grantees	SHC
5/18/2018	NCER	Meeting / Meeting Proceedings	SHC
Ongoing FY18	NCER	Potential publications by Grantees	SHC
Ongoing FY18	NCER	Potential publications by Grantees	SHC
2018/Q3	NERL	Journal Article	CSS
2018/Q2	NERL	Journal Article	CSS
2018/Q2	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
12/31/2017	NERL	Report	AER

9/30/2018	NERL		
9/15/2018	NCEA	Journal Article	AER
9/30/2018	NHEERL	Journal Article(s)	AER
2018/Q4	NERL	Journal Article	AER
8/30/2018	NCEA	Journal Article	SHC
9/30/2018	NCEA	Journal Article	AER
4/15/2018	NCEA	Journal Article	AER
5/30/2018	NCEA	Journal Article	AER
9/15/2018	NCEA	Journal Article	AER
8/30/2018	NCEA	Journal Article	AER
7/30/2018	NCEA	Journal Article	SHC
8/15/2018	NCEA	Journal Article	HHRA
9/30/2018	NCEA	Journal Article	SHC
2019	NERL	Peer Reviewed Manuscript	AER
2018/Q1	NERL	Peer Reviewed Manuscript	AER
2018/Q2	NERL	APR (2 publications)	AER

2018/Q3	NERL	Product (Maps)	AER
2018/Q4	NERL	Product (Model and manuscript)	AER
2018/Q3	NERL	Peer Reviewed Manuscript	AER
2018/Q3	NERL	Peer Reviewed Manuscript	AER
2018/Q3	NERL	Peer Reviewed Manuscript	AER
2018/Q4	NERL	Peer Reviewed Manuscript	AER
2018/Q3	NERL	Peer Reviewed Manuscript	SHC
2018/Q3	NERL	Peer Reviewed Manuscript	SHC
2018/Q4	NERL	Product (Web-based tool)	SHC
9/30/2018	NHEERL	Journal Article(s)	SHC
9/30/2018	NHEERL	Tool/App	SHC
9/30/2018	NHEERL	Journal Article(s)	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
9/30/2018 (projected)	NRMRL	Book Chapter	SHC/SSWR

Submitted for publication – in review	Innovation Team	Manuscript	SSWR
4/30/2018	NCEA	Report	SSWR
7/30/2018	NCEA	Report	SSWR
4/30/2018	NCEA	Journal Article	SSWR
2018/Q4	NERL	Product (Dataset)	SSWR
2018/Q4	NERL	Peer Reviewed Manuscript	SSWR
9/30/2018	NHEERL	EPA Report	SSWR
9/30/2018	NHEERL	Journal Article(s)	SSWR
9/30/2018	NHEERL	Journal Article(s)	SSWR
9/30/2018 (projected)	NRMRL	Book Chapter	SSWR
9/30/18 (projected)	NRMRL	Journal	SSWR
9/30/18 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR
9/30/2018 (projected)	NRMRL	Journal	SSWR

FY 2018 (Projected)	NRMRL	Manuscript	SSWR
FY 2018 (Projected)	NRMRL	Manuscript	SSWR
FY 2018 (Projected)	NRMRL	Manuscript	SSWR
FY 2018 (Projected)	NRMRL	Manuscript	SSWR
18-Jun-18	Innovation Team	Meeting	SSWR with OW
19-Jun-18	Innovation Team	Meeting	SSWR with OW
Apr-18	Innovation Team	Meeting	SSWR with OW
2018/Q1	NERL	Journal Article	AER
4/15/2018	NCEA	Journal Article	HHRA
9/30/2018	NHEERL	Journal Article(s)	SHC
Ongoing FY18	NCER	Potential publications by Grantees	AER
Ongoing FY18	NCER	Potential publications by Grantees	AER
Ongoing FY18	NCER	Potential publications by Grantees	AER
Ongoing FY18	NCER	Potential publications by Grantees	SSWR

FY18 Q4	NCCT	Journal Article	CSS
6/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s); database	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
6/30/2018	NHEERL	Journal Article(s)	SSWR
3/31/2018	NHEERL	Journal Article(s)	CSS
3/31/2018	NHEERL	Journal Article; AOP descriptions published in AOP-Wiki	CSS
9/30/2018	NHEERL	Journal Article(s); Database Updates to online apps, internal DB release	CSS
09/01/18	NRMRL	Report	AER

09/01/18	NRMRL	Report	AER
09/01/18	NRMRL	Report	AER
09/01/18	NRMRL	Report	AER
06/01/18	NRMRL	Journal	AER
09/02/18	NRMRL	Report	AER
03/01/18	NRMRL	Journal	AER
6/30/2018	NHEERL	Journal Article(s); Model	AER
9/30/2018	NHEERL	Journal Article(s)	AER
9/30/2018	NHEERL	Journal Article(s)	AER
9/30/2018	NHEERL	Journal Article(s)	AER
9/30/2018	NHEERL	Tool/App	AER
7/1/2018	NCER	Journal Article; Conference submission	AER
9/15/2018	NCEA	Journal Article	HHRA
8/15/2018	NCEA	Journal Article	HHRA
8/15/2018	NCEA	Journal Article	HHRA
6/30/2018	NCEA	Journal Article	HHRA

8/15/2018	NCEA	Journal Article	HHRA
8/15/2018	NCEA	Journal Article	HHRA
8/30/2018	NCEA	Assessment	HHRA
8/15/2018	NCEA	Journal Article	HHRA
6/15/2018	NCEA	Journal Article	HHRA
9/30/2018	NHEERL	Journal Article(s)	HHRA
Ongoing FY18	NCER	Potential technology/tools/research publications by recipients	SHC
Ongoing FY18	NCER	Potential publications by Grantees	SHC
09/30/18	NRMRL	Journal	SHC
09/01/18	NRMRL	Report	AER
9/30/2018	NHEERL	Journal Article(s)	AER
9/30/2018	NHEERL	Journal Article(s)	AER

09/01/18	NRMRL	Journal	AER
09/01/18	NRMRL	Report	AER
6/15/2018	NCEA	Assessment	HHRA
2018/Q1	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
9/30/2018	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q4	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER

2018/Q2	NERL	Journal Article	AER
9/30/2018	NERL	Journal Article	AER
6/30/2018	NERL	Journal Article	AER
2018/Q2	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
9/30/2018	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q3	NERL	Journal Article	AER
2018/Q2	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER
2018/Q2	NERL	Journal Article	AER
9/30/2018	NERL	Journal Article	AER
2018/Q2	NERL	Journal Article	AER
2018/Q1	NERL	Journal Article	AER

8/15/2018	NCEA	Journal Article	HHRA
6/15/2018	NCEA	Journal Article	HHRA
9/15/2018	NCEA	Journal Article	HHRA
9/30/2018	NERL	Project Plan	SHC
9/30/2018	NERL	Journal Article	SHC
FY 2018 (Projected)	NRMRL	Report	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Data	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Internal Report	SHC
FY 2018 (Projected)	NRMRL	Internal Report	SHC
FY 2018 (Projected)	NRMRL	Internal Report	SHC
FY 2018 (Projected)	NRMRL	Report	SHC
FY 2018 (Projected)	NRMRL	Report	SHC

FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC
FY 2018 (Projected)	NRMRL	Journal	SHC

FY 2018 (Projected)	NRMRL	report	SHC
FY 2018 (Projected)	NRMRL	report	SHC
2018/Q2	NERL	Report	SHC
Draft delivered FY18 Q2. Final FY18 Q3.	NCCT	Other	Anticipated to be in CSS
Prototype delivered in FY18 Q2. Second generation tool in FY18 Q4.	NCCT	Software	CSS
Ongoing FY18	NCCT	Database	CSS
FY18 Q4	NCCT	Database	CSS
FY18 Q4	NCCT	Journal Article(s)	CSS
FY18 Q4	NCCT	Journal Article(s)	CSS
FY18 Q4	NCCT	Software	CSS
FY18 Q4	NCCT	Database	CSS
FY18 Q4	NCCT	Journal Article	CSS
3/31/2018	NHEERL	Journal Article(s)	CSS
3/31/2018	NHEERL	Journal Article(s)	CSS

6/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Tool/App	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
9/30/2018	NHEERL	Journal Article(s)	CSS
FY 2018 (Projected)	NRMRL	Data	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Data	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS
FY 2018 (Projected)	NRMRL	Journal	CSS

FY 2018 (Projected)	NRMRL	Data	CSS
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